

## ABSTRACT OF THE DISCLOSURE

When it is desired that an AV data receiver receives an AV data signal from an AV data transmitter, a remote controller requests the AV data transmitter to transmit an ID code. The AV data transmitter generates an encrypted ID code and a decryption code on the basis of the ID code. The AV data receiver receives the encrypted ID code over infrared communication through the remote controller, receives the decryption code over wireless communication, decrypts the encrypted ID code using the decryption code, and thereby obtains the ID code.